

Variable Data Verification, Production Integrity & Print Quality Inspection Solutions



LAKE IMAGE

Improve product quality & automate QA

Scalable easy to deploy new camera technologies & PC architectures

Lower costs & increase profitability

Flexibility to use multiple inspection tools & cameras simultaneously

Increase Productivity & customer satisfaction

Machine Independent Retro-fit to almost any existing equipment

Meet compliance & reduce business risks

User Experience Clean, Intuitive & Modern

Lake Image Systems is a leader in print quality inspection, variable data verification & integrity control solutions for high-volume documents, labels, plastic cards and flexible packaging production.

Our systems inspect, verify, track and report on billions of items daily using codes such as OCR, barcodes, 2D and QR codes, postal barcodes and many more. For 25 years, we have provided document integrity and variable print quality confidence to our customers, optimizing their processes, enhancing their product quality, mitigating their risks and increasing their profitability.

Lake Image has 4,000 systems globally, with direct sales & service operations in Europe, North America and Asia.

YOUR INDUSTRY

Whether you produce mail, labels, plastic cards, security documents or packaging, we offer a print inspection solution to suit all your needs:

MAILING & FINISHING	Data verification & integrity management for direct mail, transactional, digital printing & downstream finishing processes
LABELING	Verification of digital variable data print, production integrity, tracking and print quality assurance for the labeling industry.
PLASTIC CARDS	Data & integrity verification and print quality inspection for carrier attaching and card personalisation lines
SECURITY	Reassurance that all printed products are defect-free, traceable and correctly serialised without any duplicates or missing items
PACKAGING	Print inspection system to meet all required print quality standards for bar codes, digital/offset printing and traceability
RFID	High-speed RFID reading, encoding and stored data verification with associated inkjet print & data verification
OEMS	We provide customised, value added inspection solutions to OEM manufacturers to integrate into their equipment and processes.

OUR SOLUTIONS

We have proven variable data verification, print quality inspection and production control solutions for the most challenging applications:

PRINT DATA VERIFICATION	Comprehensive range of reading tools for extracting and verifying variable data for subsequent processing by our integrity, inspection and process control technologies.
PRINT INTEGRITY	We check and verify sequence – either sequential numbers, match sequence against a database or complete file-based integrity verification.
READ & PRINT	An integrated turnkey solution for reading, printing and verifying variable data on documents, labels, cards and packaging.
PRINT QUALITY INSPECTION	Our print quality inspection solutions offer 100% web monitoring, high definition web viewing and automated print defect detection.
PRODUCTION PROCESS CONTROL	Specialist in process control solutions for the high speed production of variable documents, mail, labels, plastic cards and flexible packaging.

OUR AWARDS



FACT SHEET



PRODUCTS

The DISCOVERY suite of products, tools and components are based on standard PC architecture using the latest Microsoft Windows 64bit operating system. As a result, our technology is constantly benefitting from the evolution of the PC, with continual speed and performance improvements, readily available spare parts and reduced obsolescence issues.

	Core Products	Focused Products	
Powerful suite of data integrity, verification & reporting software tools which can be integrated on to any device			New, compact scanning technology, 12mm working distance to capture ultra-crisp, undistorted images at true 600 dpi.
Server based integrity management & reporting for 100% integrity control & print quality across multiple devices, jobs & sites			100% synchronisation & verification of the data inkjet printed on documents, labels, plastic cards & packaging
Comprehensive print quality management system for 100% web monitoring with 100% HD viewing & automated defect detection			Stand alone inline print verification and quality assurance for high speeds roll to roll web environments

Lake Image Systems Ltd
The Forum Icknield Way Tring
Hertfordshire HP23 4JX England
T: +44 (0)1442 892700
F: +44 (0)1442 892792
E: sales@lakeimage.com



Lake Image Systems Inc
205 Summit Point Drive Suite 2
Henrietta NY 14467 USA
T: 001 585 321 3630
F: 001 585 321 3788
E: salesna@lakeimage.com

Lake Image Systems France
165 Avenue du Prado
13272 MARSEILLE
CEDEX 08 FRANCE
T: +33 (0)4 91 17 90 62
F: +33 (0)4 91 17 90 63
E: euLIS@lakeimage.com

Lake Image Systems Asia
33 Ubi Avenue 3 #03-07,
The Vertex, Tower B
SINGAPORE 408868
T: +65 6509 0192
E: LISasia@lakeimage.com

COMPONENTS

Cameras and Scanners

- Area Scan - GigE Read imaging
- Line Scan - 2K to 16K resolution, mono, colour, UV
- Contact Scanners - True 600 dpi, low headroom, mono, colour
- Barcode / 2D Scanners / RFID

Read Tools

- OCR (Optical Character Recognition)
- Linear, 2D, QR codes, Postal Barcodes & OMR
- MagStrip, RFID Readers & Encoders

Inspection Tools

- Postal Address, Masking, Indicia
- Logo Detection, Scratch Off, Measure, Print Check
- Defect Inspection - Streaks, creases, smears, ink spots & voids
- Missing, broken text & images. Die-cut & positional variations
- Print mis-registration, Colour variation (ΔE) & PDF Compare

Integrity Tools

- Batch Control, File Audit, File Lookup
- Sequence Check, Sequence Audit, Static Verify
- Matching, Collation, Insertion, Stop & Divert

Reporting

- Error Roll Mapping for web applications
- Real-time piece level reporting across multiple processes.
- Production integrity reporting by job, operator, equipment, etc.
- File-based production supervision.
- Automated reprint generation.
- Customisable reporting

Custom Development

- Software - New Read, Inspection tools. Interfaces & GUI Dev.
- Hardware - Unique Camera or illumination designs
- Mechanical - Brackets/Mounts, Housing, Transportation, Divert & Marking systems

Service & Support

- Installation & Integration Services
- Maintenance Plans - Remote (phone/email) & on-site support
- Training Service - on-site

"Lake Image were able to hit the deadline with multiple installations and supported us through the start-up. The process was so successful the client increased the job from 28 million pieces to 60 million. We were very happy with our return on investment!"

Kirby Ashby, Senior VP and General Manager - SG360 Inc.

"We can print at full speed knowing that any suspect mail-pieces detected by the system, will be automatically out-sorted at the inserter and reprinted. Not only has this streamlined our processes and improved our productivity, more importantly, this has given us a significant boost in our capacity to take on more complex, profitable print work."

David Cowley, Director of Operations, High Cotton USA

"These cameras are our eyes. They work tirelessly day and night to read every single page, document and mail-piece that we generate. Our systems are highly dependent on these cameras in order to automatically track, process and check our work with absolute accuracy – essential for meeting our data privacy obligations and our tight SLAs."

Rob Alonso, Acting CEO - Opus Trust Marketing

"The Lake Image solution has enabled our operation to achieve its high-quality standards and has automated time-consuming inspection processes to maintain our high level of productivity."

Bart Vanwijnsberghe, Production Director, Fedopress, Belgian Ministry of Finance.

Copyright ©2021 Lake Image Systems.
All rights reserved.

